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|  | **ELG Statements**  *(Endpoints children will achieve)* | **Substantive Knowledge**  *(specific facts, e.g. herbivores feed on plants linked to: Living things and habitats; Animals including humans, Plants, materials, Rocks, Forces and magnets, evolution and inheritance, electricity, light, Earth and space.* | **Disciplinary Knowledge**  *(Know how to … be able to… know that…because….)*  *Working scientifically* | **Concepts**  *(discovery, change, investigation, cause and consequence)* | **Vocabulary** | **Culture**  *(What is wonderful and awesome in Science? How do children feel successful and show/ promote this? What enrichment?)* |
|  |  | Children will know how to/be able to: | Children will know how to/be able to: | Children will appreciate: | Children will recall and verbalise: |  |
| **Nursery** | **The Natural World**   * Explore the natural world around them, making observations and drawing pictures of animals and plants. * Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class. * Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.   **Managing Self**   * Manage their own basic hygiene and personal needs, including dressing, going to the toilet and understanding the importance of healthy food choices.   **Listening, Attention and Understanding**   * Make comments about what they have heard and ask questions to clarify their understanding. | * I know some foods that are healthy and not healthy. * I know who is in my family, including pets. * I know the names of the four seasons. * I know the difference between animals and plants. * I know that some materials float and some sink. | * I know how to use the toilet. * I know how to get myself dressed. |  | * Healthy, unhealthy, germs, head, legs, arms, hands, feet, shoulders, face, eyes, ears, mouth, tongue, teeth heart, brain, bones, skin. * Dog, cat, fish, hamster, rabbit cow, horse, sheep, goat, elephant. tiger, lion, crocodile, giraffe. * Autumn, winter, spring, summer, weather, hot, cold, snowing, freezing, warm, wet, cloudy, harvest, farming, leaves, light, dark, desert, polar. * Plants, grow, soil, sunlight, fruit, vegetable, tree, flower, bush, water. * Life cycle, grow, change, tadpole, froglet, frog, larva, caterpillar, chrysalis, cocoon. * Material, float, sink, plastic, fabric, wood, strong, waterproof, bendy, light, * Pollution, recycle, rubbish, environment, community.   Minibeast, ant, spider, worm, snail, habitat. |  |
| **Reception** | * I know some body parts and can say what they do. * I know the names of different animals: from our country and far away. * I know the name of some insects. * I know what the weather is like in each of the seasons. * I know that the weather is different in different parts of the world. * I know the main changes that happen in Autumn, Winter, Spring and Summer. * I know that ice melts when it gets hot. * I know that water turns into ice when it freezes. * I know that some animals sleep during the winter. * I know that a plant needs light, soil and water to grow. * I know that some food grows on trees and some comes from plants on and under the ground. * I know that a tadpole becomes a frog and a caterpillar becomes a butterfly. * I know that some materials float and some sink. * I know that some materials are more suited to jobs than others. | * I know why we need to wash our hands and brush our teeth. | * I know that my actions affect the world. * I know that plants die if they don’t have enough water. | * Healthy, unhealthy, germs, head, legs, arms, hands, feet, shoulders, face, eyes, ears, mouth, tongue, teeth heart, brain, bones, skin. * Dog, cat, fish, hamster, rabbit cow, horse, sheep, goat, elephant. tiger, lion, crocodile, giraffe. * Autumn, winter, spring, summer, weather, hot, cold, snowing, freezing, warm, wet, cloudy, harvest, farming, leaves, light, dark, desert, polar. * Plants, grow, soil, sunlight, fruit, vegetable, tree, flower, bush, water. * Life cycle, grow, change, tadpole, froglet, frog, larva, caterpillar, chrysalis, cocoon. * Material, float, sink, plastic, fabric, wood, strong, waterproof, bendy, light, * Pollution, recycle, rubbish, environment, community.   Minibeast, ant, spider, worm, snail, habitat. |  |